



---

# Internal Affairs Case Update

Date: 7 Feb 19

Officer Involved Shooting

IAD Case: 18-0249

Law Enforcement Only

# Video Analysis – Slow Motion



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



0.067 seconds since first round fired.

## Frame by Frame – 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1640 to 1740



## Frame by Frame - 1710 to 1740



0.333 seconds since first round fired.

## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1640 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



Beginning of  
bean bag  
round "trail"  
becomes  
visible.

0.567 seconds since first round fired.

## Frame by Frame - 1710 to 1740



0.600 seconds since first round fired.

## Frame by Frame – 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



## Frame by Frame - 1710 to 1740



# Observations

- Based on this frame by frame analysis, the bean bag round “trail” becomes visible 0.567 seconds after the initial rifle round was fired. The initial rifle round and bean bag round were fired an indeterminate length of time (likely small fractions of a second) before the respective smoke plume and “trail” became visible. It appears that the bean bag round was fired approximately 0.567 seconds after the first rifle round.
- The low end of an officer’s estimated “perception-reaction time” is 0.7 seconds (*Source: Lexipol and Technology Associates Engineering Experts*). It appears that the bean bag round was fired in less time (0.567) than the low end estimation (0.7) for an officer’s “perception-reaction time”. With this in mind, it does not appear that Officer Phillips could have fired his bean bag round “sympathetically” in reaction to the initial rifle round.